wally the first

| NCR: Y  | ⁄es        | / No  |                                      |      |              | WORK ORDER NON-O  | COI | <b>NFORM</b>                                       | MANCE / UPE  | DATE       |  | ,                         |  |
|---|------------|---|--------------------------------------|------|--------------|---|-----|--|--|------------|--|---------------------------|--|
|   |            |   |                                      |      |              |   |     |  |  |            | QA Closed:   | Date:                     |  |
| Work Orde   | or.        |   |                                      |      |              | DISPOSITION   |     |  |  | AGAINST DE | PARTMENT   | PROCESS                   |  |
| Part N  | -<br>. No. |   |                                      |      |              | Rework Skid-tube Crosstube  Scrap Machining Small Fab  Use-as-is Thermoforming Finishing  Work Order Update Large Fab Composite |     |  | Small Fab<br>Finishing                             | 4          | Water Jet d. Eng. Coor. re/Packaging Supplier                                    | Engineering Quality Other |  |
| Root  |            |   |                                      |      | Descri       | ption of work order update  |     | Initial  | Act  | ion        | Sign &   |                           |  |
| Cause   |            | Date  | Step                                 | Qty  | (            | or Non-conformance  | Ch  | nief Eng   | Descr  | iption     | Date   | Verification              | QC Inspector   |
| Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved |            |   |                                      |      |              |   |     | mer Eng Description                                |  |            |  |                           |  |
|   |            |   |                                      |      | <del> </del> |   | AUL | T CATE   | GORY   |            |  |                           |  |
| Landir  |            | ear Bending Centre No Cracks Crushed/ Cuffs Heat Trea Inspection Ripples in | Crimped.<br>et<br>n Strip in<br>Bend | Tube |              | General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing                         |     | Instruct<br>Mainte<br>Mislabe<br>Misread<br>Offset | on Incomplete<br>ions Incomplete/U<br>nance<br>led | Jnclear    | Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V Power Loss/ | ct sissing Vrong          | Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other |

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

| Work Orde<br>December-19-12   |                            | · ·   |  | *945                       | 555*                     |            |              |               |              |               |                  | Page 2         |
|---|----------------------------|---|--|----------------------------|--------------------------|------------|--------------|---------------|--------------|---------------|------------------|----------------|
| tem ID:<br>Revision ID:<br>tem Name:                                    | D3914-041  Long Basket Lid | Assembly (350)                                |  | Accept                     | *N900                    | <b>040</b> | 100          | )*            | Setup        | Start<br>Stop | ı v.             | S1*<br>S2*     |
| Start Date:<br>Required Date:<br>Reference:                             |                            | Start Qty: 1.00<br>Req'd Qty: 1.00            | *1*<br>*1*   |                            | Cust Item I<br>Customer: | D:         |              |               |              |               |                  |                |
| Approvals:  | Process Plan:              | :   | Date:  | Tooling:<br>SPC (Y/N):     |                          | ate:       | -            |               | Run          | Start<br>Stop | I/I              | R1*<br>R2*     |
| Sequence ID/<br>Work Center II<br>120<br>*120*<br>QC<br>Quality Control | D I                        | Operation Description QC5- Inspect part compl | leteness to step on W/O  | Set Up/ Run HomAs 0.00 15  | 1                        | Tool#      | Plan<br>Code | Accept<br>Qty | t Rej<br>Qty |               | Reject<br>Number | Insp.<br>Stamp |
| *130<br>*130*<br>Powdercoat<br>Powder Coating                           | 1                          | Start Time:                                   | desofininge prior to powd  | 0.00<br>0.00<br>ercoat***  |                          |            |              | /             | ф            |               | V 13-            | 1-16.          |
| 140<br><b>*110*</b><br>HandFinish<br>Hand Finishing                     |                            | Wing Walk as per dwg (                        | QSI005 4.4 Batch // \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \                    | 0.00                       | nesh as per dwg          |            |              | 1             | X            | ~/            | 6_ <u>H</u>      | 13/6/11        |
|   |                            | ***Mask la                                    | acard and label as per dwg<br>abel plate to size of label, upply label *** | use scotchbrite red pad to | lightly sand area        |            |              |               |              |               |                  |                |

|   |  |           |  |             | DQA:       | Date:   |                           |
|---|--|-----------|--|-------------|------------|---|---------------------------|
| NCR: Yes / No   | WORK ORDER NON-CO                        | NFORM     | MANCE / UP   |             | QA Closed: | Date:   |                           |
| Work Order:   | DISPOSITION                              |           |  | AGAINST DEI | PARTMENT   | /PROCESS                                      |                           |
| Part No.  NCR No.   | Rework Scrap Use-as-is Work Order Update | Therm     | Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing  Large Fab Composite |             |            | Water Jet d. Eng. Coor. re/Packaging Supplier | Engineering Quality Other |
| Root Descri   | ription of work order update             | Initial   |  | tion        | Sign &     |   |                           |
| Cause Date Step Qty   | or Non-conformance C                     | Chief Eng | Desc   | ription     | Date       | Verification                                  | QC Inspector              |
| Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved | FAL                                      | JLT CATE  | CORV   |             |            |   |                           |

Grain

Hardware

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Inspection Incomplete

Instructions Incomplete/Unclear

Ovalized

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Over/Under tolerance

Pressure/Forced

Weld

Other

Temperature/Cure

Wrong Stock Pulled

General

Bend

Burrs

BOM/Route

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Broken/Damaged

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Turning Sequence

Wave/Twist in Tube

Ripples in Bend

**Landing Gear** 

Bending

Cracks

Cuffs

Heat Treat

Crushed/Crimped.

Inspection Strip in Tube

Torque Waves in Extrusion

Centre Not Concentric to O/S

| Work Ord  | er ID 9455<br>2 11:46:47 AM | 55  |                      | *                    | 9455       | 5*                               |       |                |               |               |                  | Page 3         |
|---|-----------------------------|---|----------------------|----------------------|------------|----------------------------------|-------|----------------|---------------|---------------|------------------|----------------|
| tem ID:<br>Revision ID:<br>tem Name:<br>Start Date:<br>Required Date:<br>Reference: | 12/24/12                    | Assembly (350) Start Qty: 1.00 Req'd Qty: 1.00      | *1*<br>*1*           | Accept               | *          | N900<br>Cust Item I<br>Customer: |       | 100            | )* s          | etup Sta      | i Zi             | S1*<br>S2*     |
| Approvals:  | Process Plans               | :   | Date:                |                      |            |                                  | ate:  |                | R             | un Sta        |                  | R1*<br>R2*     |
| Sequence ID/<br>Work Center I<br>150<br>*150*<br>QC<br>Quality Control              | D !                         | Operation Description QC3- Inspect Part Finish Memo |                      | Set U<br>Run<br>0.00 | 13 - 1 - 1 | Tool ID                          | Tool# | Plan<br>Code   | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
| 160<br><b>*160*</b><br>Packaging<br>Packaging                                       |                             | Identify as per dwg & St<br>Memo                    | ock Location:        | 0.00                 | 04020      | .041/                            | 3945  | <del>١</del> ٦ |               | 4             | Hl.              | 366/17         |
| 170 <b>*17 *1</b> QC Quality Control  |                             | QC21- Final Inspection ·  Memo                      | - Work Order Release | 0.00                 |            |                                  |       |                |               | 13            | 11/17            | 49             |
|   |                             |   |                      |                      |            |                                  |       |                |               |               | N B              | ot M           |

|               |        |           |             |             |          |                            |     |                            |            |           |  | DQA:          | Dat           | te:      |                  |
|---------------|--------|-----------|-------------|-------------|----------|----------------------------|-----|----------------------------|------------|-----------|--|---------------|---------------|----------|------------------|
| NCR:          | Yes    | / No      |             |             |          | WORK ORDER NON-C           | O   | VFORI                      | MANCE / UP | DATE      |  |               |               |          |                  |
|               |        |           |             |             |          |                            |     |                            |            |           |  | QA Closed:    | Da            | te:      |                  |
| Work Orde     | er:    |           |             |             |          | DISPOSITION                |     | AGAINST DEPARTMENT/PROCESS |            |           |  |               |               |          |                  |
|               | _      |           | · · · · · · | <del></del> |          | Rework                     |     |                            | Skid-tube  | Crosstube |  |               | Water Jet     | $\Box$   | Engineering      |
| Part N        | No.    |           |             |             |          | Scrap                      |     | !                          | Machining  | Small Fab |  | Pro           | d. Eng. Coor. |          | Quality          |
|               |        |           |             |             |          | Use-as-is                  |     | Thern                      | noforming  | Finishing |  | Rec/Stor      | e/Packaging   |          | Other            |
| NCR N         | ۸o     |           |             |             | <u> </u> | Work Order Update          |     |                            | Large Fab  | Composite |  |               | Supplier      |          |                  |
|               |        |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
| Root          | ł      |           |             |             |          | ption of work order update |     | nitial                     | 1          | tion      |  | Sign &        | _             |          |                  |
| Cause         |        | Date      | Step        | Qty         | (        | or Non-conformance         | Ch  | ief Eng                    | . Desc     | ription   |  | Date          | Verification  | <u>n</u> | QC Inspector     |
| Doc/Data      | Ц      |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
| Equip/Tooling | Ц      |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
| Operator      |        |           |             |             |          |                            |     |                            |            |           |  |               |               | 1        |                  |
| Material      | Ш      |           |             |             |          |                            | l   |                            |            |           |  |               |               |          |                  |
| Setup         |        |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
| Other         |        | •         |             |             |          |                            |     |                            |            |           |  |               |               | 1        |                  |
| Process       |        |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
| Supplier      |        |           |             |             |          |                            |     |                            | :          |           |  |               |               |          |                  |
| Training      |        |           |             | :           |          |                            |     |                            |            |           |  |               |               |          |                  |
| Unapproved    |        |           |             |             |          |                            |     |                            |            |           |  |               |               |          |                  |
|               |        |           |             |             |          | F                          | AUL | T CATE                     | GORY       | •         |  |               |               |          |                  |
| Landi         | ng G   | ear       |             |             |          | General                    |     |                            |            |           |  |               |               |          |                  |
|               | $\Box$ | Bending   |             |             |          | Bend                       |     | Grain                      |            |           |  | Ovalized      |               |          | Pressure/Forced  |
|               |        | Centre No | t Concer    | ntric to    | o/s      | BOM/Route                  |     | Hardwa                     | ire        |           |  | Over/Under    | tolerance     |          | Temperature/Cure |
|               |        |           |             |             |          | Broken/Damaged             |     | Inspection Incomplete      |            |           |  | Part Incorred | ct            |          | Weld             |

Instructions Incomplete/Unclear

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Part Moved

Wrong Stock Pulled

Other

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Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Crushed/Crimped.

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

|   | Picklist Print December-19-12 11 | ':46:46 AM             |                            | ,           |                     |                  |                 |                   |          |                    |                  |                            |                      | Page 1    |
|---|----------------------------------|------------------------|----------------------------|-------------|---------------------|------------------|-----------------|-------------------|----------|--------------------|------------------|----------------------------|----------------------|-----------|
|   | Work Order ID:                   | 94555                  |                            |             |                     |                  |                 |                   |          |                    |                  |                            |                      |           |
|   | Parent Item:                     | D3914-041              |                            |             |                     |                  |                 |                   | Sta      | rt Date: 12/24/    | 12               | Required I                 | Date: 12/2           | 4/12      |
|   | Parent Item Name:                | Long Basket Lid A      | Assembly (350)             |             |                     |                  |                 |                   | St       | art Qty: 1.00      |                  | Required                   | <b>Qty:</b> 1.00     | )         |
|   | Comments:                        | IPP Rev:A new i        | issue DD 10.03.19<br>by:EC | verified    | by:EC               | IPP Re           | ev:B as per dv  | /g revB D         | DD       |                    |                  |                            |                      |           |
|   | Component Item ID/<br>Item Name  | Replacement<br>Item ID | Mfg/<br>Purch              | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measur | - •      | Qty per Kit        | Total<br>Qty     | Qty<br>Issued              | Date<br>Issued       | Status    |
| / | D2581<br>Mounting Bracket        |                        | Manufactured               | No          |                     |                  | 100             | Each              | 86.0000  | <sup>2</sup><br>38 | 636 <sup>2</sup> | 7 <del>-&gt;</del> 0x_     | SY                   | 13.01.08  |
|   |                                  | l                      |                            |             | <b>Location</b>     |                  | Loc Oty         | 1                 | Loc Code |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | WA004               |                  | 86              |                   |          | <del></del>        |                  |                            |                      |           |
|   |                                  |                        |                            |             | 707                 | 766              | 2               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 812                 | 253              | 1               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 825                 |                  | 2               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 832                 |                  | 3 2             |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 854<br>863          |                  | 37              |                   |          | -                  |                  |                            |                      |           |
|   |                                  |                        |                            |             | 877                 |                  | 2               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 885                 |                  | 12              |                   |          |                    |                  |                            |                      |           |
|   | /                                |                        |                            |             | 928                 | 371              | 25              |                   |          |                    |                  |                            |                      |           |
|   | <b>D3914-1</b><br>Rib            |                        | Manufactured               | No          |                     |                  | 100             | Each              | 9.0000   | 2<br>BE            | 864°             | $z \rightarrow \omega_{v}$ | St                   | 113.01-08 |
|   |                                  |                        |                            |             | Location            |                  | Loc Qty         | <u>]</u>          | Loc Code |                    |                  |                            |                      | •         |
|   |                                  |                        |                            |             | WA005               |                  | 9               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 814                 | 149              | 1               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 821                 |                  | 1               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 870                 |                  | 1               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 886                 |                  | 4               |                   |          |                    |                  |                            |                      |           |
| J | D3914-7                          |                        |                            | <b>.</b>    | 886                 | 543              | 2               | Cook              | 17.0000  |                    |                  |                            | 9.1                  | •         |
| • |                                  |                        | Manufactured               | No          |                     |                  | 100             | Each              | 17.0000  | Ž S                | 2 <i>8</i> (~5)  | Ó →/v                      | $\Delta \mathcal{Y}$ | 13.01.08  |
|   | Rib                              |                        |                            |             | <b>Location</b>     |                  | Loc Qty         | ]                 | Loc Code | عريــ              | 865              | $\frac{1}{x}$              | <u> </u>             | 13.01.08  |
|   |                                  | 1                      |                            |             | WA005               |                  | 17              |                   |          |                    |                  |                            |                      |           |
|   |                                  | 1                      |                            |             |                     | 928              | 3               |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             | 886                 |                  | . 2             |                   |          |                    |                  |                            |                      |           |
|   |                                  |                        |                            |             |                     | 650              | 4               |                   |          |                    |                  |                            |                      |           |
|   |                                  | l l                    |                            |             | 886                 | 652              | 8               |                   |          |                    |                  |                            |                      |           |

|               |                        |             |            |          |        |                                       |                                   |                 |               |             | DQA:         | Date               | ·                |
|---------------|------------------------|-------------|------------|----------|--------|---------------------------------------|-----------------------------------|-----------------|---------------|-------------|--------------|--------------------|------------------|
| NCR:          | Yes                    | / No        |            |          |        | WORK ORDER NON-C                      | O                                 | NFORM           | MANCE / UP    | DATE        | OA Classel   | D-4-               |                  |
|               |                        |             |            |          |        | <u> </u>                              |                                   |                 |               |             | QA Closed:   | Date               |                  |
| Work Orde     | er:                    |             |            |          |        | DISPOSITION                           |                                   |                 |               | /PROCESS    |              |                    |                  |
| !             | -                      |             |            |          |        | Rework                                | 1                                 |                 | Skid-tube     | Crosstube   |              | Water Jet          | Engineering      |
| Part i        | No.                    |             |            |          |        | Scrap                                 |                                   | ſ               | Machining     | Small Fab   | Pro          | d. Eng. Coor.      | Quality          |
|               | -                      |             |            |          | ······ | Use-as-is                             | Use-as-is Thermoforming Finishing |                 |               | Rec/Sto     | re/Packaging | Other              |                  |
| NCR I         | No                     |             | •          | ,        |        | Work Order Update Large Fab Composite |                                   |                 | _             | Supplier    |              |                    |                  |
| Root          | I                      |             |            |          | Descri | ption of work order update            |                                   | nitial          | Ac            | tion        | Sign &       |                    |                  |
| Cause         |                        | Date        | Step       | Qty      | (      | or Non-conformance                    | Ch                                | ief Eng         | Desc          | cription    | Date         | Verification       | QC Inspector     |
| Doc/Data      |                        |             |            |          |        |                                       |                                   |                 |               |             |              |                    |                  |
| Equip/Tooling | Ш                      |             |            |          |        |                                       |                                   |                 |               |             |              |                    |                  |
| Operator      |                        |             |            | 1        |        |                                       |                                   |                 |               |             |              |                    |                  |
| Material      | Ш                      |             |            | ,        |        |                                       |                                   |                 |               |             |              |                    |                  |
| Setup         |                        |             |            |          |        |                                       |                                   |                 |               |             |              |                    |                  |
| Other         | Ш                      |             |            |          |        |                                       |                                   |                 |               |             |              |                    |                  |
| Process       |                        |             | •          |          |        |                                       |                                   |                 |               |             |              |                    |                  |
| Supplier      |                        |             |            |          |        |                                       |                                   |                 |               |             |              |                    | ·                |
| Training      |                        |             |            |          |        |                                       | 1                                 |                 |               |             |              |                    |                  |
| Unapproved    |                        |             |            |          |        |                                       |                                   |                 |               |             |              |                    |                  |
|               |                        |             |            |          |        | F.                                    | AUL                               | T CATE          | GORY          |             |              |                    | ***              |
| Landi         | ng G                   | iear        |            |          |        | General                               |                                   | _               |               |             | _            |                    | _                |
|               |                        | Bending     |            |          |        | Bend                                  |                                   | Grain           |               |             | Ovalized     |                    | Pressure/Forced  |
|               |                        | Centre No   | ot Conce   | ntric to | o/s    | BOM/Route                             |                                   | Hardwa          | re            |             | Over/Under   | tolerance          | Temperature/Cure |
|               |                        | Cracks      |            |          |        | Broken/Damaged                        |                                   | Inspecti        | on Incomplete |             | Part Incorre | ct [               | Weld             |
|               | Crushed/Crimped_ Burrs |             |            |          | Burrs  |                                       | Instruct                          | ions Incomplete | /Unclear      | Part Lost/M | issing       | Wrong Stock Pulled |                  |
|               |                        | Cuffs       |            |          |        | Contamination                         |                                   | Mainte          | enance        |             | Part Moved   | _                  | <u>—</u>         |
|               |                        | Heat Trea   | ıt         |          |        | Countersink                           |                                   | Mislabe         | eled          |             | Positioned \ | Vrong              |                  |
|               |                        | Inspectio   | n Strip in | Tube     |        | Cut Too Short                         | Misread Power Lo                  |                 |               |             | Power Loss/  | Surge              | Other            |
|               |                        | <del></del> |            |          |        | Drill Holes                           | Offset                            |                 |               |             |              |                    |                  |

Out of Calibration
Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

| Picklist Print December-19-12 11:46:46 AM                                   |                    |    |   |                            |      |                           |                             | Page 2                                     |
|---|--------------------|----|---|----------------------------|------|---------------------------|-----------------------------|--|
| Work Order ID: 94555 Parent Item: D3914-041 Parent Item Name: Long Basket I | Lid Assembly (350) |    |   |                            |      |                           | Date: 12/24/12  • Qty: 1.00 | Required Date: 12/24/12 Required Qty: 1.00 |
| ✓ D4016-3 Hinge Half, Lid   | Manufactured       | No |   | 100                        | Each | 29.0000                   | 3<br>3885/                  | 5 -> 2x SS 13.01.08                        |
|   |                    |    | Location<br>WA004<br>88515              | <u>Loc Qty</u><br>29<br>11 |      | Loc Code                  | 9230                        | 6 - 1 ix                                   |
| ✓ D4018-5   | Manufactured       | No | 92306                                   | 100                        | Each | 46.0000                   | 9                           | 113.01.08                                  |
| Rib   |                    |    | Location<br>WA004                       | <u>Loc Oty</u> 46          |      | Loc Code                  |                             |  |
|   |                    |    | 80776<br>89171<br>90020<br>90300        | 1<br>8<br>15<br>22         |      |                           | 2X3x<br>#6+                 |  |
| <b>D4020-5</b> Mesh (350 Basket Long, Lid)                                  | Manufactured       | No |   | 100                        | Each | 5.0000                    |                             | bs 13.01.08                                |
|   |                    |    | Location<br>WA007<br>92839              | <b>Loc Qty</b> 5 5         |      | Loc Code                  |                             |  |
| <b>√ D4021-3</b> Data Plate   | Manufactured       | No | Lacation                                | 100                        | Each | 23.0000                   | B 90 7                      | 183 11 13.61.08                            |
| D4035-041 Lid Rib Assembly, Fwd (350 Basket)                                | Manufactured       | No | Location WA004  80897 82507 90783 90784 | Loc Oty 23 9 1 11 2 100    |      | <b>Loc Code</b><br>9.0000 | 1<br>75.9176                | 13 JJ 13:01:08                             |
| Liu Kio Assenioly, I wu (330 Baskel)  |                    |    | Location<br>WA005<br>91763              | <u>Loc Oty</u><br>9<br>9   |      | Loc Code                  |                             |  |
| December-19-12 11:46:46 AM  |                    |    | Shop F                                  | Packet Print               |      |                           |                             | Page 2                                     |

| DQA: | Date: |  |
|------|-------|--|
|      |       |  |

**WORK ORDER NON-CONFORMANCE / UPDATE** 

NCR: Yes / No QA Closed: Date: DISPOSITION AGAINST DEPARTMENT/PROCESS Work Order: Skid-tube Crosstube Water Jet Engineering Rework Machining Prod. Eng. Coor. Quality Part No. Scrap Small Fab Rec/Store/Packaging Use-as-is Thermoforming Finishing Other NCR No. Work Order Update Large Fab Composite Supplier Description of work order update Sign & Root Initial Action Date Qtv or Non-conformance Chief Eng Description Date Verification QC Inspector Cause Step Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY Landing Gear** General Bend Bending Grain Ovalized Pressure/Forced BOM/Route Centre Not Concentric to O/S Hardware Over/Under tolerance Temperature/Cure Cracks Broken/Damaged Inspection Incomplete Weld Part Incorrect Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Maintenance Contamination Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Other Inspection Strip in Tube **Cut Too Short** Misread Power Loss/Surge Drill Holes Ripples in Bend Offset Torque Waves in Extrusion Out of Calibration **Drawing** Turning Sequence Finish Out of Sequence

**Outside Dimensions** 

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Wave/Twist in Tube

Folio

| Picklist Prii | nt |  |
|---------------|----|--|
|---------------|----|--|

December-19-12 11:46:46 AM

Work Order ID:

94555

Parent Item:

D3914-041

Parent Item Name:

Long Basket Lid Assembly (350)

**Start Date:** 12/24/12

Required Date: 12/24/12

Start Qty: 1.00

Page 3

Required Qty: 1.00

/D4035-043

Lid Rib Assembly, Aft (350 Basket)

Manufactured No

91978

100

Each

13.0000

Loc Qty Loc Code Location WA005 13 81202 81452 82988

10

| NCR: | Yes / N | 0 | WORK ORDER NON-CONFORMANCE / UPDATE |
|------|---------|---|-------------------------------------|

Cut Too Short

Drill Holes

Drawing

Finish

Folio

|              |                              |          |     |        |                              |           |   |            | DQA:             | Date:                                |                           |  |  |  |
|--------------|------------------------------|----------|-----|--------|------------------------------|-----------|---|------------|------------------|--------------------------------------|---------------------------|--|--|--|
| NCR: Y       | es / No                      |          |     |        | WORK ORDER NON-              | CONFORI   | MANCE / UPC   | DATE       | QA Closed:       | Date:                                |                           |  |  |  |
|              |                              |          |     |        | DISPOSITION                  |           |   | AGAINST DE |                  |                                      | •                         |  |  |  |
| Work Orde    | r:                           |          |     |        |                              | _         | AGAINST DEPARTMENT/PROCESS  |            |                  |                                      |                           |  |  |  |
| Part N       | 0                            |          |     |        | Rework<br>Scrap<br>Use-as-is | 4 [       | Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing |            |                  | Water Jet d. Eng. Coor. re/Packaging | Engineering Quality Other |  |  |  |
| NCR N        | 0                            |          | ,   |        | Work Order Update            | ]         | Large Fab   | Composite  |                  | Supplier                             |                           |  |  |  |
| Root         |                              |          |     | Descri | ption of work order update   | Initial   | Acti  | ion        | Sign &           |                                      |                           |  |  |  |
| Cause        | Date                         | Step     | Qty | (      | or Non-conformance           | Chief Eng | Descr   | iption     | Date             | Verification                         | QC Inspector              |  |  |  |
| Doc/Data     |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| quip/Tooling |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Operator     |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Material     |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| etup         |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Other        |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Process      |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Supplier     |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| raining      |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
| Jnapproved   |                              |          |     |        |                              |           |   |            |                  |                                      |                           |  |  |  |
|              |                              |          |     |        | F                            | AULT CATE | GORY  |            |                  |                                      |                           |  |  |  |
| Landin       | g Gear                       |          |     |        | General                      |           |   |            | _                |                                      | _                         |  |  |  |
|              | Bending Bend                 |          |     |        | Bend                         | Grain     |   |            | Ovalized         |                                      | Pressure/Forced           |  |  |  |
| Ĺ            | Centre Not Concentric to O/S |          |     |        | BOM/Route                    | Hardwa    | are   |            | Over/Under       | tolerance                            | Temperature/Cure          |  |  |  |
|              | Cracks                       |          |     |        | Broken/Damaged               | Inspect   | ion Incomplete  |            | Part Incorre     | ct                                   | Weld                      |  |  |  |
|              | Crushed/                     | Crimped. |     |        | Burrs                        | Instruc   | tions Incomplete/U  | Inclear    | Part Lost/Mi     | issing                               | Wrong Stock Pulled        |  |  |  |
|              | Cuffs                        |          |     |        | Contamination                | Mainte    | enance  |            | Part Moved       | <u></u>                              | -                         |  |  |  |
|              | Heat Treat                   |          |     |        | Countersink                  | Mislab    | eled  |            | Positioned Wrong |                                      |                           |  |  |  |

Misread

Out of Calibration

Outside Dimensions

Out of Sequence

Offset

Power Loss/Surge

Other

| H-/FORMS/O   | uality Assuranc | al annroyed | OA/NCDWO  | Pov G  |
|--------------|-----------------|-------------|-----------|--------|
| m:/FUKIVIS/U | uante Assuranc  | evaporoveo  | LUA/NUKWU | KPV (1 |

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Inspection Strip in Tube

Torque Waves in Extrusion







